

What is claimed is:

- 1 1. A wire mesh filter, comprising: a knitted wire mesh having a longer
2 dimension and a shorter dimension, folded along the longer dimension so that the
3 shorter dimension is effectively halved, and rolled into a spiral geometry.

- 1 2. The filter of claim 1, wherein the wire is comprised of a high temperature
2 alloy.

- 1 3. The filter of claim 1, wherein the spiral has no central opening.

- 1 4. The filter of claim 1, wherein the spiral has a central

- 1 5. The filter of claim 1, wherein the wire is electrically conductive.

- 1 6. A regenerable particulate trap having a wire mesh filter, the filter being
2 regenerated by resistive heating, wherein the improvement comprises a wire mesh
3 filter, comprising: a knitted wire mesh having a longer dimension and a shorter
4 dimension, folded along the longer dimension so that the shorter dimension is
5 effectively halved, and rolled into a spiral geometry.